Index of Claims

Application/Control No.

09/890,587

Examiner

Applicant(s)/Patent under Reexamination

MAILLARD, MICHEL

**Art Unit** 

Pramila Parthasarathy

2136

Rejected Allowed

(Through numeral) Cancelled

N Restricted

Interference

Non-Elected

**Appeal** Α

0 Objected

|             |          |  | L  |          |  | _                 | ı   |              | _        |          |    |  |          |          |    |  |          |  |              |          | _      |
|-------------|----------|--|--|----------|--|-------------------|---|--------------|----------|----------|----|--|----------|----------|----|--|----------|--|--------------|----------|--------|
| Claim       |          | Date   |  |          |  |                   |   |              |          | Cla      |    | Date   |          |          |    |  |          |  |              |          |        |
| Final       | Original | 11/5/06  |  |          |  |                   |   |              |          |          |    | Final  | Original |          |    |  |          |  |              | -        |        |
| 1           | 1        | =  |  |          |  | Г                 |   |              |          |          |    |  | 51       |          |    |  |          |  |              |          | Γ      |
|             | 2        | -  |  |          |  |                   |   |              |          |          |    |  | 52       | $\neg$   |    |  |          |  |              |          | Г      |
| 2           | 3        | =  |  |          |  |                   |   |              |          |          |    |  | 53       |          |    |  |          |  |              |          | Γ      |
|             | 4        | -  |  |          |  |                   |   |              |          |          |    |  | 54       |          |    |  |          |  |              |          | L      |
|             | 5        | -  |  |          |  |                   |   |              |          |          |    |  | 55       |          |    |  |          |  |              |          | L      |
| 3           | 6        | =  | L.   |          |  |                   | _   |              | L.       | L        |    |  | 56       |          |    |  |          |  | <u> </u>     | L        | L      |
| 4           | 7        | =  | <u> </u>   | _        |  | $ldsymbol{f eta}$ | $ldsymbol{ld}}}}}}$ | <u> </u>     |          |          |    |  | 57       |          |    |  | _        | <u> </u>   | L            | <u> </u> | L      |
| 5           | 8        | =  | _  |          | L.                                     |                   |   |              | _        |          |    |  | 58       | _        |    |  |          | _  | L_           | <u> </u> | L      |
| 6           | 9        | =  | ļ  | _        | ــــــ                                 | _                 | _   | L            |          | _        |    |  | 59       | _        |    |  |          |  | _            | ⊢        | ┞      |
| <u> </u>    | 10       | Ŀ  | <u> </u>   | <u> </u> | ļ                                      | <del> </del>      |   | <u> </u>     |          |          |    |  | 60       | _        |    |  | -        |  |              | ⊢        | ╀      |
| <b>-</b>    | 11       | -  | ┝  |          | ├_                                     | ├                 | <del>  -</del>  | ┡            | _        |          |    |  | 61       | $\dashv$ |    |  |          | -  |              | ⊢        | ┞      |
| 7           | 12<br>13 | =  | ├  | $\vdash$ | -                                      | ┼-                | $\vdash$  | ₩            | -        |          | .  |  | 62<br>63 | $\vdash$ |    |  |          | ├  | $\vdash$     | ₩        | ╁      |
| 9           | 14       | =  | ├-   | ├        | -                                      | ├                 | -   | ╁            | $\vdash$ |          |    |  | 64       | $\vdash$ |    | -  | $\vdash$ | <del> </del>                                     | $\vdash$     | $\vdash$ | +      |
| 10          | 15       | =  | -  | -        | ⊢                                      | $\vdash$          | $\vdash$  | $\vdash$     | ├-       | -        |    |  | 65       | $\dashv$ |    | $\vdash$   | $\vdash$ | ┢  | ⊢            | ┢        | H      |
|             | 16       | Ē  | $\vdash$   | $\vdash$ | ┢                                      | -                 |   | ┢╾           | $\vdash$ | H        |    |  | 66       |          |    |  | -        | -  | -            | ╁        | H      |
| 11          | 17       | ╘  | t  | H        | $\vdash$                               | 1                 | ╁   | ├─           | ╁        | ╁        | 1  |  | 67       |          |    |  | 1        |  |              | $\vdash$ | t      |
| <del></del> | 18       | <del> </del>                                     | $\vdash$   |          | $\vdash$                               | <u> </u>          |   | ┢            | H        | H        | 1  |  | 68       |          |    | -  | _        | $\vdash$   | _            | $\vdash$ | t      |
|             | 19       | ١.   | T  |          | T                                      | T                 |   |              | t        | 1        |    |  | 69       |          |    |  | $\vdash$ | _  |              |          | T      |
|             | 20       | -  | T  | <u> </u> |  | T                 |   |              |          | T        | 1  |  | 70       |          |    |  |          |  |              | $\vdash$ | T      |
| 12          | 21       | =  | Т  | T        |  | İ                 |   |              | <u> </u> |          | 1  |  | 71       |          | -  |  |          |  | Г            | Г        | T      |
|             | 22       | -  |  |          |  |                   |   |              |          |          |    |  | 72       |          |    |  |          |  |              | Г        | Ī      |
| 13          | 23       | =  |  |          |  |                   |   |              |          |          |    |  | 73       |          |    |  |          |  |              |          | I      |
| 14          | 24       | =  |  |          |  |                   |   | _            |          |          |    |  | 74       |          |    |  |          |  |              | L        | L      |
| 15          | 25       | =  | <u> </u>   | <u> </u> | <u> </u>                               | ١                 | ļ   | <u> </u>     | <u> </u> | <u> </u> |    |  | 75       |          |    | L  | ļ        | _  |              | L        | Ļ      |
|             | 26       | <u> </u> -                                       | _  | _        |  | <u> </u>          | <u> </u>  | _            | <u> </u> | _        | 1  |  | 76       |          | -; | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>     | <u> </u> | Ļ      |
| <u></u>     | 27       | -  | ┞-   | ـــ      | ــــــــــــــــــــــــــــــــــــــ | ╄                 | -   | <u> </u>     | ـــــ    | -        |    |  | 77       |          |    | <u> </u>   | ļ        | ļ  | ļ            | ╄        | ╀      |
| 16          | 28       | =  | <u> </u>   | ╀        | ▙                                      | ├                 | ⊢   | ├            | ļ        | ┝        | 1  |  | 78       | $\vdash$ |    | -  | <u> </u> | -  | 1            | ⊢        | ╀      |
|             | 29       | -  | ╀  | ⊢        | ⊢                                      | ├-                | ╀   | ╀            |          | ⊢        | ł  |  | 79<br>80 | $\vdash$ | _  | _  | }_       | <del>                                     </del> | <u> </u>     | ⊢        | ╀      |
| 17          | 30<br>31 | =  | ╁  | -        | ╁                                      | -                 | ├   | ╁            | ⊢        | ├-       | ┨  |  | 81       | Н        | _  | H  | ┢        | ٠.   | ┝            | ⊢        | ╁      |
| 17          | 32       | -  | ├  | ⊢        | ╁╌                                     | $\vdash$          | $\vdash$  | ╁            | ├        | ╁        | ┨  | <del>                                     </del> | 82       | $\vdash$ |    | $\vdash$   | ┢╾       | ╁╌   | ╁            | ╁        | 十      |
| -           | 33       | -  | ╁  | ╁        | ╁╾                                     | $\vdash$          | ╁   | ╁╌           | ┢╌       | ╁        | 1  | -  | 83       | Н        |    | -  | ╁╴       | -  | ┢            | _        | ╁      |
| $\vdash$    | 34       | H  | <del>                                     </del> | †        | $\vdash$                               | $\vdash$          | 1   | t            | t        | t        | 1  | <del>                                     </del> | 84       | $\vdash$ |    |  |          |  | 1            | T        | t      |
|             | 35       | <del>                                     </del> | t  | $\vdash$ | $\vdash$                               | $t^-$             | $\vdash$  | $t^-$        | T        | $\vdash$ | 1  | <del></del>                                      | 85       | Н        |    | Г  | Т        |  |              | <u> </u> | t      |
|             | 36       | T  | T  | Τ        | ⇈                                      | T                 | $\vdash$  | 1-           | 1-       | 1        | 1  | <u> </u>   | 86       | П        |    |  |          | T  |              | T        | T      |
|             | 37       | Γ  |  |          | Τ                                      | Τ                 |   |              | L        |          | 1  |  | 87       |          |    |  | $\Gamma$ | Γ  | Γ            | $\Gamma$ | T      |
|             | 38       |  |  | Π        |  |                   |   |              |          |          | ]  |  | 88       |          |    |  |          |  |              |          | I      |
|             | 39       |  |  |          |  |                   |   |              |          | Г        | ]  |  | 89       |          |    |  |          |  |              |          | Ĺ      |
|             | 40       | 匚  | $\perp$  | L        | L                                      |                   |   |              | 匚        | L        | 1  |  | 90       |          |    | $oxed{\Box}$                                     | L        | _  | _            | <u> </u> | L      |
| <u></u>     | 41       | ot   | 1_   | ــــ     | $\perp$                                | 1_                | ↓_  | <del> </del> | <b>L</b> | ـــــ    | 1  | <u> </u>   | 91       | Ш        |    | ∟  | <u> </u> | ـــــ  | $\perp$      | $\vdash$ | Ļ      |
| ļ           | 42       | $oxed{igspace}$                                  | ┞-   | ــــ     | -                                      | 1                 | $\vdash$  |              | ـ        | ┞-       | 1  | <u> </u>   | 92       | Щ        | _  | -  | <u> </u> | ₩  | <b> </b>     | ₩        | ╀      |
| <u> </u>    | 43       | ŀ  | ╀  | ⊢        | $\vdash$                               | $\vdash$          | -   | ┼            | ⊢        | ╄        | -  |  | 93       | Ш        |    | _  | $\vdash$ | -  | $\vdash$     | $\vdash$ | +      |
| <u></u>     | 44       | -  | ╀  | ├-       | $\vdash$                               | $\vdash$          | $\vdash$  | +            | ├-       | 1        | 1  | <u> </u>   | 94       |          |    | -  | ╀        | ╁  | $\vdash$     | ┼        | +      |
| $\vdash$    | 45<br>46 | $\vdash$   | ╀  | ╀        | ╀                                      | +-                | ┼-  | ╂            | ╁        | $\vdash$ | 1  | <del> </del>                                     | 95<br>96 | H        |    | -  | $\vdash$ | $\vdash$   | $\vdash$     | +        | +      |
| -           | 47       | $\vdash$   | ╀  | +        | +                                      | $\vdash$          | +   | $\vdash$     | +        | ╀        | 1  |  | 97       | $\vdash$ | -  | -  | ╁        | $\vdash$   | $\vdash$     | +        | +      |
| -           | 48       | ┼  | ╁  | $\vdash$ | +                                      | +                 | $\vdash$  | ╁            | +-       | 1        | 1  | <u> </u>   | 98       |          |    | $\vdash$   | $\vdash$ | +-   | ╁            | ╁        | $^{+}$ |
| $\vdash$    | 49       | _  | $\vdash$   | t        | +                                      | +                 | †   | +            | $\vdash$ | $\vdash$ | 1. |  | 99       | $\vdash$ | -  | $\vdash$   | +        | $t^-$  | +            | +-       | t      |
| -           | 50       | t  | +  | 1        | $\vdash$                               | $\vdash$          | T   | +            | +        | +        | 1  | <del> </del>                                     | 100      |          | -  | <del>                                     </del> | t        | t  | t            | †        | t      |
| Щ_          | , 50     |  |  | _        | _                                      | _                 | _   | 1            | ٠        | -        | J  |  | , .00    | ٠        | L  |  |          |  | <del>!</del> | —        | _      |

| Cla      | Date     |          |          |          |          |              |  |  |          |              |  |
|----------|----------|----------|----------|----------|----------|--------------|--|--|----------|--------------|--|
|          |          |          |          |          |          |              |  |  |          |              |  |
| Final    | Original |          |          |          |          |              |  |  |          |              |  |
| $\vdash$ | 51_      |          | _        |          |          |              | $\dashv$   |  | _        | _            |  |
| -        | 52       | $\dashv$ | _        |          | -        | $\vdash$     | $\neg$   |  |          |              |  |
| $\vdash$ | 53       | $\dashv$ |          |          | =        | $\vdash$     |  | _  |          |              |  |
| <u> </u> | 54       | $\dashv$ |          |          |          | $\vdash$     |  |  |          |              |  |
|          | 54<br>55 |          |          |          | $\neg$   |              |  |  |          |              |  |
|          | 56       |          |          |          |          |              |  |  |          |              |  |
|          | 57       |          |          |          |          |              |  |  |          |              |  |
|          | 58       |          |          |          |          |              |  |  |          |              |  |
|          | 59       |          |          |          |          |              |  |  |          |              |  |
|          | 60       |          |          |          |          |              |  |  |          |              |  |
|          | 61       | _        |          |          |          |              |  |  |          |              |  |
|          | 62       |          |          |          |          |              |  |  |          |              |  |
| ļ        | 63       | _        |          |          |          |              |  |  |          |              |  |
| <u> </u> | 64       | _        |          |          |          | $\vdash$     |  | _  | $\vdash$ | -            |  |
| <b> </b> | 65<br>66 |          |          | $\vdash$ | -        | -            |  | _  | H        | H            |  |
| <u> </u> | 67       |          |          |          |          | Н            |  |  | -        | $\vdash$     |  |
| -        | 68       |          |          | -        | _        | $\vdash$     |  |  | $\vdash$ | $\vdash$     |  |
|          | 69       | -        | _        | _        |          | -            | -  | -  | -        | ┝            |  |
|          | 70       |          |          | $\vdash$ | -        |              |  |  | -        | ├──          |  |
|          | 71       |          | -        |          | _        |              |  |  | ┢┈       | $\vdash$     |  |
|          | 72       |          | _        | -        |          |              |  | $\vdash$   | _        | -            |  |
| ļ        | 73       |          |          | <u> </u> | $\vdash$ |              |  |  |          |              |  |
|          | 74       |          |          |          |          |              |  |  |          |              |  |
|          | 75       |          |          |          |          |              |  |  |          |              |  |
|          | 76<br>77 |          |          |          |          |              |  |  | L        |              |  |
|          | 77       |          |          | <u>_</u> |          |              |  | <u> </u>   | <u> </u> | <u> </u>     |  |
|          | 78       |          |          |          | _        | <u> </u>     |  | <u> </u>   |          | _            |  |
|          | 79       | _        | _        | _        | _        | <u> </u>     |  | -  | ┞        | <u> </u>     |  |
| <u> </u> | 80       |          |          | _        | -        | -            | H  | -  |          | ⊢            |  |
| -        | 81<br>82 |          | -        | $\vdash$ | -        | ┢            |  | ⊢  |          | ├            |  |
| -        | 83       |          | -        | ├-       | -        | -            |  |  |          | ┢            |  |
| -        | 84       | -        | $\vdash$ | -        | $\vdash$ | $\vdash$     | -  | $\vdash$   | $\vdash$ | $\vdash$     |  |
|          | 85       | Н        | -        | $\vdash$ |          |              |  | <del>                                     </del> |          | -            |  |
|          | 86       | Т        | -        | Τ        | _        |              | <del>                                     </del> | Τ  | Ι_       | 1            |  |
|          | 87       |          |          |          | $\Box$   |              |  |  |          |              |  |
|          | 88       |          |          | L.       |          |              |  |  |          |              |  |
|          | 89       |          |          |          |          |              |  |  |          |              |  |
|          | 90       | $\Box$   | Ĺ        | 匚        | 匚        | ļ            |  |  | Ĺ        |              |  |
|          | 91       | <u> </u> | <u> </u> | _        | <u> </u> | $oxed{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  | _        | L_           |  |
| <u> </u> | 92       | <u> </u> | $\vdash$ | <u> </u> | <u> </u> | ⊢            | <u> </u>   | _  | <u> </u> | <u> </u>     |  |
|          | 93       | <u> </u> | _        | _        | <u> </u> | -            | -  | <u> </u>   | ┞        | <del> </del> |  |
| <u> </u> | 94       | ├        | -        | ├        | -        | ├            | $\vdash$   |  | -        | 1-           |  |
|          | 95<br>96 | $\vdash$ | $\vdash$ | -        | $\vdash$ | -            | $\vdash$   | $\vdash$   | -        | +-           |  |
| -        | 97       | $\vdash$ | ⊢        | -        | $\vdash$ | $\vdash$     | -  | ┝  | $\vdash$ | 1-           |  |
| $\vdash$ | 98       |          | H        | $\vdash$ | $\vdash$ | $\vdash$     | -  | $\vdash$   | ╁        | <del> </del> |  |
|          | 99       | $\vdash$ | -        | $\vdash$ | ├        | t            | $\vdash$   | -  | $\vdash$ | $\vdash$     |  |
| <b>-</b> | 100      | $\vdash$ |          | 1        | H        | t            | +-   | -  | +-       | $\vdash$     |  |

| Cli      | Date   |              |          |          |          |  |  |              |              |   |  |
|----------|--|--------------|----------|----------|----------|--|--|--------------|--------------|---|--|
|          |  |              |          |          |          |  |  |              | $\neg$       |   |  |
| Final    | Original   |              |          |          |          |  |  |              |              | -                                       |  |
| ίĒ       | Ę  |              |          |          |          |  |  |              |              |   |  |
|          |  |              |          |          |          |  |  |              |              | _                                       |  |
|          | 101<br>102<br>103                                    |              |          |          |          |  |  |              |              | _                                       |  |
|          | 102  | Ш            |          |          |          |  | _                                      |              |              | _                                       |  |
|          | 103  | Ш            |          |          |          | Ш  | -                                      |              | -            | _                                       |  |
|          | 104  | Н            |          |          |          |  |  |              | -            | -                                       |  |
|          | 104<br>105<br>106                                    |              |          |          |          | _  |  | _            | $\dashv$     | -                                       |  |
|          | 100  | ⊢            |          |          |          |  |  |              | -            |   |  |
|          | 107<br>108   | -            |          |          |          | H  | _                                      | -            | _            | $\dashv$                                |  |
|          | 100  | H            |          |          |          | $\vdash$   |  | $\vdash$     |              | ᅱ                                       |  |
|          | 109<br>110   |              |          |          |          | _  |  |              |              | $\dashv$                                |  |
|          | 111  | -            | $\vdash$ |          | -        | ┝  |  | _            |              | $\dashv$                                |  |
|          | 112  | <del> </del> | $\vdash$ |          |          |  |  | -            | -            |   |  |
|          | 113  | -            | _        | -        | _        | $\vdash$   | _                                      |              |              |   |  |
|          | 114  |              |          |          |          | Г  |  |              |              |   |  |
|          | 115  |              |          |          |          |  |  |              |              |   |  |
|          | 116  |              |          |          |          |  |  |              |              |   |  |
|          | 117  |              |          |          |          |  |  |              |              |   |  |
|          | 118  |              |          |          |          |  |  |              |              |   |  |
|          | 112<br>113<br>114<br>115<br>116<br>117<br>118<br>119 |              |          |          |          |  |  |              |              |   |  |
|          | 120<br>121<br>122                                    |              |          |          |          |  |  |              |              |   |  |
|          | 121  | L            | L        |          | <u>L</u> |  |  |              |              |   |  |
|          | 122  | <u> </u>     |          | L.       |          | L  | <u> </u>                               |              |              |   |  |
|          | 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | <u> </u>     | <u> </u> | _        | <u> </u> |  |  |              | _            | Ш                                       |  |
| <u> </u> | 124  | <u> </u>     | _        | <u> </u> | <u> </u> | <u> </u>   | <u> </u>                               |              |              |   |  |
|          | 125  | ├-           | _        | <u> </u> | ├-       | ├-   | <u> </u>                               |              | H            | Н                                       |  |
| <u> </u> | 126  | ┢            | _        | _        | -        | _  | -                                      | $\vdash$     | <u> </u>     | $\vdash$                                |  |
| <u> </u> | 127  | ┝            | -        | -        | -        | -  |  | $\vdash$     | $\vdash$     | Н                                       |  |
| <b> </b> | 120  | ┼            | ⊢        | ⊢        |          | ┢  | -                                      | ┢            | ┢            | Н                                       |  |
| -        | 130  | $\vdash$     | $\vdash$ | H        | -        | ╢  | -                                      | $\vdash$     |              | H                                       |  |
| ├        | 131  | ┢            | -        |          | H        | -  | ┢                                      | -            | -            | Н                                       |  |
|          | 131<br>132<br>133                                    | H            | -        | $\vdash$ | -        | t  | t                                      | ┢            | _            |   |  |
|          | 133  | <u> </u>     | $\vdash$ | ┢        | -        | <del>                                     </del> | t                                      |              |              | Н                                       |  |
|          | 134  | 1            |          | Π        |          |  | 1                                      | Г            | <u> </u>     | П                                       |  |
|          | 134<br>135   | Γ            |          | П        |          |  |  |              |              |   |  |
|          | 136  |              |          |          |          |  |  |              |              |   |  |
|          | 137  |              |          |          |          |  |  |              |              |   |  |
|          | 138  |              |          | 匚        | Ĺ        |  | 匚                                      |              |              |   |  |
|          | 139  | 匚            | L        |          | $\Box$   |  | $oxedsymbol{oxedsymbol{oxed}}$         | $\Box$       |              | Ш                                       |  |
|          | 140  |              |          | L        | _        | _  | _                                      | <u> </u>     | _            | Ш                                       |  |
|          | 141  | ـــــ        | <u> </u> | <u> </u> | L_       | <u> </u>   | _                                      | <u> </u>     | <u> </u>     | Ш                                       |  |
|          | 142  | ┞-           | <u> </u> | <u> </u> | <b>—</b> | <u> </u>   | ـ                                      | <u> </u>     | <u> </u>     | Ш                                       |  |
|          | 143  | 1-           | <u> </u> | <u> </u> | $\vdash$ | ـ  | ├-                                     | <del> </del> | <b>├</b>     | $\vdash$                                |  |
| <u> </u> | 144  | 1            | $\vdash$ | ـ        | $\vdash$ | -  | -                                      | ├-           | <del> </del> | Щ                                       |  |
| <b> </b> | 145  | +            | ⊢        | ├-       |          | ┼  | ├                                      | $\vdash$     | ├-           | Н                                       |  |
| <u> </u> | 146<br>147   | +-           | ├        | ┼-       | $\vdash$ | $\vdash$   | ╁                                      | -            | -            | $\vdash$                                |  |
|          | 148  | $\vdash$     |          | ⊢        | ├-       | ╁  | ┼                                      | ╁            | ├-           | Н                                       |  |
| <u> </u> | 148  | ╁            | +-       | ├-       | $\vdash$ | $\vdash$   | ₩                                      | ╁╌           |              | $\vdash$                                |  |
|          | 150  | ╂            | -        | +-       | $\vdash$ | $\vdash$   | $\vdash$                               | $\vdash$     | 1-           | $\vdash$                                |  |
|          | 100  |              | 1        |          | _        | L  | ــــــــــــــــــــــــــــــــــــــ |              |              | لــــــــــــــــــــــــــــــــــــــ |  |